

# Dividing 3-Digit by 1-Digit Numbers

You can find 3-digit quotients by breaking apart the problem.

Find  $528 \div 4$ .

Estimate:

$$500 \div 4 = 125.$$

$$\begin{array}{r} 132 \\ 4 \overline{)528} \\ - 4 \phantom{00} \\ \hline 12 \phantom{0} \\ - 12 \phantom{0} \\ \hline 8 \phantom{0} \\ - 8 \phantom{0} \\ \hline 0 \end{array}$$

Check:  $132 \times 4 = 528$ .  
The answer checks.

Find  $575 \div 5$ .

Estimate:

$$600 \div 5 = 120.$$

$$\begin{array}{r} 115 \\ 5 \overline{)575} \\ - 5 \phantom{00} \\ \hline 7 \phantom{0} \\ - 5 \phantom{0} \\ \hline 25 \phantom{0} \\ - 25 \phantom{0} \\ \hline 0 \end{array}$$

Check:  $115 \times 5 = 575$ .  
The answer checks.

Find  $725 \div 3$ .

Estimate:

$$750 \div 3 = 250.$$

$$\begin{array}{r} 241 \text{ R}2 \\ 3 \overline{)725} \\ - 6 \phantom{00} \\ \hline 12 \phantom{0} \\ - 12 \phantom{0} \\ \hline 5 \phantom{0} \\ - 3 \phantom{0} \\ \hline 2 \end{array}$$

Check:  $241 \times 3 = 723$ .  
 $723 + 2 = 725$   
The answer checks.

Find the missing values.

1.  $315\text{R}\square$

$$\begin{array}{r} 2 \overline{)631} \\ - \square \phantom{00} \\ \hline \square \phantom{0} \\ - 2 \phantom{0} \\ \hline 11 \phantom{0} \\ - \square 0 \\ \hline \square \end{array}$$

2.  $\square \square \square \text{R}2$

$$\begin{array}{r} 6 \overline{)788} \\ - 6 \phantom{00} \\ \hline 1 \square \phantom{0} \\ - 1 \square \phantom{0} \\ \hline \square \phantom{0} \\ - 6 \phantom{0} \\ \hline \square \end{array}$$

3.  $3 \overline{)462}$

4.  $5 \overline{)640}$

5.  $9 \overline{)919}$